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MANUFACTURING METHOD OF MICROFIBER WARP-KNIT FABRIC  
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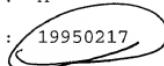
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TITLE (54) : MANUFACTURING METHOD OF  
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(57) **Abstract**

The present invention relates to the manufacturing method of a microfiber warp-knit fabric that not only has excellent writing effect but also is of excellent surface texture due to fineness of fiber density.

Existing methods use split-type microfibers, and while the writing effect is excellent due to the use of common synthetic filament fibers on the inner layer, after splitting, the existence of two components has made it difficult to control color and printing has not been possible.

[In] the present invention, the surface after extraction has a fineness of 0.3-0.05 denier, and an islands-in-the-sea type of synthetic fiber with an island component of polyester is used; and on the reverse, high-shrinkage polyester fibers with a shrinkage rate of 12-22% are used, thereby manifesting excellent writing effect and surface texture due to the microfibers, and making printing possible and color control easy with the existence of identical components.

The warp-knit fabric of the present invention is used as artificial suede and is extremely similar to natural suede.

**Scope of Claims**

US<sup>1</sup> 849

A method for manufacturing microfiber warp-knit fabric characterized as reverse-side fibers being knitted into warp-knit fabric, subjecting it to the process of alkali extraction and the shrinkage process, then napping, dyeing and impregnating with polyurethane resin; wherein, for the surface fibers, the island component is polyester, the sea component is a copolymer polyester of good alkali solubility, and extraction-type polyester microfibers whose single-fiber fineness after extraction is 0.3-0.05 denier are used; and for the reverse-side fibers, high-shrinkage polyester fibers with a hot-water shrinkage rate (100 °C x 15 minutes) of 12-18% and a dry-heat shrinkage rate (145 °C dry heat) of 12-22% are used.

2 types of fibers - micro-warp knit  
1st type bicomponent .3-.5 denier  
2nd type high-shrink polyester.  
Only reverse side is a warp knit?  
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